an inaugural Lipristim on procuments by phoids on the Courter exchance as it appeared in learning to present in 1858 18519 with a sketch of the climate.

To be calmitted to the tenstee a faculty of meeting in the university of permerylvania for the degree of Doctor of electronic. By alut chell tothe of Vorgenia

Popul March 19th. 1828

Pepi Mank 15" 1128

March 18th 1865

Varguia is bounded on the south, by a line on the barel , let of 36 " 80" N. S. The country of looshing ton Townes this line. The town of abing son octuated near the centre of the country, about scalare miles north, of the southern boundary of the county, and about the some distance, from the northern boundary of Temper. It is thus placed in the southwest for der of the state. On the north of south, the county of boun ded by mountours of great elevation; on the north by the great Church mountain, on the couth by the bron, of white top The elevation of the cost, is so great, that no true or shrule grow on or near its summit. There great mountains row nearly possel to each other, there general course is, from north cost to courth west: They are obstout from each other shout twenty miles. The county of wothing ton is a great valley placed be - loven then: This cally is watered by the those browns of the Holoton. They are called the south, middle, & west, brouches or forks, Taking Their sources from the west side, of what is colled, a disording, redges seperating the head waters, of the Hadslein, from hew river, or have - awa. The observes from the cost side, rem to the great Kanans. The bow when of the Motetain who their rise, to the cost of the county, from numerous 1/2 rings, released in the velley. The



tributory theores of cook fack, are decided from the others, by ou elevated ridge: They take a course to wards the court west, gradu willy converging. The south, & modelle pocks, write, in the corenty stant noun miles could of abougeon, The work fork united with the others, in the date of Tomesper, a farms the Bolshim river, which goes on to mut the Turneper river. The general wheet of the escuely is killy. The soil is placed on a bed of line stone , I consite of rich would a aloy . spings of lone stone water are very obsunctant. The mearquis of the theaus have a large partion of rich bottom land: The soil generally is good, + well estentialed for the production, of graps, clover & bus streft of my kind. The pase of the country, which has not have elected, is recledy covered by large & beautiful forest trees, & a real voricty of plouts mony of which are will known to the bolowest. This come by is in a very alevated viluation, being near to the allegany aroun · Tain & looking to words the great volley of the Milispippi dis tout from the gulfth of mexico more thou one thousand miles, 4 400 miles from the costern nabard. This clevation connected with the general mountanous obseractor of the country, has a very quat influence on the directe. In such a lituation we are to expect sudden a great in reportedes of temperature. We have post, on resionally in the mouther, except those of the own over

snow is not unfrequently some on the mountains, early in as other, & may. No melanological abservations have been unabe in that county that I know of. It is therefore unpopulle for me to give on accurate platement of the mean temperature of the atmosphere. The thormometer rouses, during the summer months at a colock, between 25° 486° of Farenheity rolle; a & hove some it as high as 89 th. Thre continues to be agreeable, I even ne cepany until the middle of sure, in the morning, a writing, a under throughout summer; when there is much rain. A great deal of which follo every year. Vegatation generally commenced early in March, but is preguely checked, by post & such. about the mid . He of april, the fruit trees are in fall bloom, I before the lost of may the fourt trees are covered, with poleage more thou half grown; larly vie same they are fully developed, when the whole country, presents an extremely learnisant appearance, beautifully vorkegaled, by the difference of productions on the moun losis, & in the volley. The owner mouths are tempored with a delightful breeze from the northern mountoins, which are of great extent between that county & the alia - How fall months are very pleasant & about the 1st of november; on the decline of the leaf, this county earliber is perfection, all those beauties, which have been so much spoken

of , orising from the varied tints of color , produced & the deplace cents states, of decline in the foliage. The winter usually common . us, shout the middle of december it is marked throughout by great occeptudes of temperature. as cost on ally the whole country is posen, + the weather continuely soll i But these spall of cold are generally of about durotion, terminology in a Than, with all its course guences of much so I have never how it in my power to such the quotest descent of the moreury, during our coldest exother: There is but title suow during the winter but much rown clearing of with a keen northwest wind. The winter is decidedly the most rickly ocoson, porturing cotosch, pleurist, Theunestone & the unflowered by affections. These discous continue were on up during the oping: cholero infontion is prequently met with in the same There of a wet a character. By scutary, is also, very common, according nowally equidancie. This discove is suldow total a scorely over require Hu lineet; the enflowmention being moderate. Leter willuly are un · known . Remittents are esencione, in august & september, in ese · tain vitualious, apprecently produced by losal sources of misourate. The discou is generally very covily monoged of the common new oction. Halmoway consuporption has become very common,

perhaps soming to the genet are planted of lambounteres. Scraff for is always out to the mounteres of programs and in the mounteres district - by search her cheales, is very amalant with, I have not if seaso in a paralle of 15 years. Assess of the love is out offer some but so amazana of the are of arount spirit humanic and becomes the standard of the are of arount spirit humanic and becomes the standard of the are of arount spirit humanic and becomes when the same to simple case of exceeds in the country.

I wight go on to surremote many were disease out with in that

I will the now you a sloght history of the busiles - spectruing as it expected in my granteer in the grows 1818 self-

This discuss marks the past a previous on in trocking to coming a such in terminary 15th, thereing a spell of very real meether. The first are worther of a young man intent to your of our, a blackmith of observed restriction. He comprised to find of the supply light hat a transmip of the mancles, with the transping and ing, of the whole to the pull the hall to make the process of the hall to the supply which has been followed by force, both pain in the hard and tilly a territorial reserved. When I feel our him he had been unsetted to the supplies to have been the hard been the feel ourse to had taken a deep of the time the supplies to the or the supplies to the order of the com-



without any soute pain; his pulse fute, shong, & prequent: shin way not, heathing, difficult, with some exagle longer loaded & tuys gettow, countersace disturbed & heavy . buttone head town, I took from his own more blood, short 18 7. The because not a week from the consistion with orme relief to his head & side. The died is soon and denty from this state, as portone usually do who have a landon or to sym cope; but remained sich & feelle for a considerable time. He perce of his pulse was greatly reduced & he continued to hope much of soin. that night he look 10 per of colonies, its sporation to be acided by on infusion of senna. A large bloter was applied to his vide his counter nonce continuing dull & heavy - I sow him the next morning : The medicine had operated very well trying away, a great deal of dark matter. The blitter had drawn well a The poin in his side was even deastly us cover. He embrunes ned it the stomach, comitmen dull, shim not so hot, pulse prequent, but not obering - I now gave him an emitie, with an expectation that it would release his storage & the tell appearance of his countenance soften, a relax his skin, preparing the way for disphoreties, The medicine Tostown antimory, sperote five or six times, throwing off large quantities of bile & nucous. I must him very soon ofter the spenotion of the courter, he said he was much



haded he appeared wholly relieved. his countercourse lively a rotter excited with pleasure, his storesch will, point the side & head nearly gone. The motion to est. a cup of week the was allowed mu. I returned home . but had been there but a very short time when I received a note requesting me to out him again, I found hein perpetty delivious, with a very fuguest, week pele, this nother cool & extreme hableway of it muscle, with outen the power of deplution In this hopeless condition I applying a large litester to his head; I others to the anche, I occupione to the feel . If he could have swallowed I would have given the containate of animocia & wine whey freely. The boid untill the next coming. I was not wormited to examine the body soul mortion . The winter poped over without my seeing our other violent cose of the discose. It was seen fraquently but in a much milder form, girl sins to omittees. Bospation, & Some monder, with lepid driving; a accossionally in protracted was colonel in connection with the autienousle powder, was given untill the listen was produced. The speing was very cold dry a windy we title lake in a price - I was again out for a see the brother of the young mon, whose were I have given. The was attacked with a course



chile, & a certi poir, low down in the left side of the chiet. he this esse, perpet reaction had taken place, and the asual exemptous of high implomemention exected, strongly worked. active depos steen was promptly used: 200g of blow were drawn off in the course of a hours, but without offending and thing but temporar. relief. His pulse was not subdued, or the poin much relieve I halowed at the time that this was a case of plannites, a left the potent ofthe giving a purge, with directions to take more at short intervals, untill the poin gave near. a large bletter was directed to be appealed to the side & the autimorial powder to be used. The bleeding was not repeated as direction The died on the fifth day, with soulled a bedomen heavy a laborious respiration, rotting of neurous in the brouslies, ineque lor pulse; in what with all the symptoms, in disatino effusion, with the cavities of the chest i andorner. He had been so cotionally de cirious. This pulse continued octive un the on hour before his death: The poin was not relieved with effusion had taken place. a few days after this I was called to the some neighbor hood to see a young mon; a woggover, he was lean athin but hardy a strong when in health - the had for



for a few days previous, attack complemed of the ordinary symp time of calinch. The was suddenly token with a shift, which was rem dily followed by reaction & fever, with scute pain in the side, & head ache, with deficient a painful respiration, so much so that he and severely tath. Shin very hat tought white, pulse choused on trust, beating soo in the minute, his bose expressing great suffering a de yestion. The had been in this education 8 or 10 hours before I in him. burney this time his mother had oudecovered to relieve him by psing his feet in woren water, a administering worse tess, a apply ing hot soft to the chest, she also used even brited in water & placed hot around his body, for the parson of producing worst, But sothout one cap. His vibration be came in supportable from the encrease of heat a poin. I fett some unharreforent, from the had sureups, which had attended depoteting resulties, in the live price - earling cases, and was very onaclous, to resort to emities a suclorifie for his called. as there remedies had been so much socion & some as remidies, for this most relatless discore. pretty active mea sures to produce a blow of sevent, now here tried, without affects Before me were all the symptoms, which in dicate, a cute inflow - mation, of a serous membrane covering parts spende at to like,



I really fett it un possible, to very on remides, can werelevely be able when placed in the reale with blood citing; as a remark for write inflowmation. I therefore determined to draw blood for the purme of procuring if I could, a lemporary remepion, of the west bestut symptoms. I put a legalure on his sem and look a way a less quantity of blood, before any relief was procured, he was not much was wer to the abstraction. I then gave him in devided parties says of the excurer, a 3 gw of cruetic tortox, this was all token, and weren with heels drank without com moducing reased. The mecacuan was is 5 grani done every to minutes for sometime; the factors toucher with an order protter; but every itsel was un a voiling a mo duce vomiting, or war perspirations the medicine opened his bookles. sweing the afternoon his pain became very urgent, pulse tonor and incomprepible; he was bled again, with law perary relief. I amtted to mention in the history of the other cases, that the those often consulation, was covered with a very dense coat of co agaloting lymph: The blow drawn from this many caaquitation firmly, without the buffy east but was very Hored , we dense. 15 per of aslamet were now given to him, I caster oil in small does every hour, untile he was pay parged. 37 of oil were loken before



This effect was produced. a longe blister was next applied to the therase. He popul a eleptip night, as was very emenon in each cases. The blister draw well, but produced very little relief. Ho was again blid, & the autemoras powder freel given, with leptor simber The polygalo senage was also given in infusion, a the boiled corn again used. But without any other effect, then that of increasing his reffering. I have always found it next to impossible to induce eweating, when a not okin a strong arbirish action are present, by my other means, Their cold water, enternally a colorusta used the in tous application here would have been highly unproteer. The topic both might have been useful; no convenious for using it was at hand. This mon was bled violines in ale, eighty own are of blood war you bolly token. and every anxillery measure used that & knew of , to relieve him . but enthand effect , he wied on the 7th toy of his disease. He was not delerious, his poulse son himed oclive untill a few hours before his death. The usual signs of effusion in to the Thorse, were strongly merked. I call perspeculion look place often symptoms of effection existed. a fauther care accented in the same neighborhood; I as I examined the body post morten. I will give the foots. This was a very street young regra mon in the



had complained of being compit for labor, for a fee days, before to come Token down . His attack was ashered in with a chill , reaction over fel loved, & kigh bever escrited, with scale pour of the right side, quick, I very difficult respectation, attended with quest auxiets, a fraguent truse pulse, & white tougue. The had been bled & token a dar of polto be for I sow him, withouting muitige line of symplower. I down from 203 of How, a again tried the cruetic; good in divided portions, and carried to a longe quantity, with all the auxillions means, to move emesis; but without effect. His bowels were moved by the emotie articles. arte - web action continuing, very shorns; he was again blid 16 %, & 20 grains of colomet given, to be followed, by a volution of Glowborn sett. as the bliter in the preceding cases had have useless, I did not use it in this case . The next morning be was no better was blow was token, to process some case for him, a the anticurviial power guine, with topid drinks. In the afternoon he seconce delirious, pulse small a very inequitar, butting appropria, abdonise tunid, I considered these eyemptores potat, a nothing more was attempted he died in the night, 3 days ofter the attack. The creset day the body 1000 eseamined. On opening the Thomas, the lungs appeared distanted, Notuding from the opening; The please covering the lungs a lining



being the rids was highly inflommed, all the serves expels engerted with red blood. The right lung adhered to the planes of the rebs at second points. vory large suspes of conquitating lyeigh, lay on each ling, I the sacks of the placeres, continued nearly a great of bloody ocrum - The Bleuro was in How wed throughout it, whole cuttet. The Browchian & air will were filled with their newsons: no approxima of disease in the east . by of the obdomou, no affection There. This was the last examt case which occured during the spring the weather because wormer, a the discove goods ally disappeared. This defeation, fally conformed my openion of the mi - flammatory character of the disease, I I regicted very new of that I how not amployed the lowest holdby. The general prejudice against occupation was very great. In all the other cases, met with, during the spring; one or two copious bladings, evered the disease, I did not see a single ease of the appropria, on typicos farm, of the discose, there hope the state of the worther had one influence of the diseases of the diseases it was such as pressisposes to implourmatory affections of the respiratory organs. He disease again made it appearance, in the last of severator. I prevailed throughout the writer, I aprimed a deforent character the setion after a few days was typotoxid, & the local delevaninations, to the head, a mucous mombrone of the lungs, producing bloody expertoration



disease generally come on in the following maurer - the Bate exit, began to complain of lapitude dulness a some degree of which crep, with elight point of the head or chest. These og ou plans in orea ring he was soon confined. We exten fally resolver, the beating soon become difficult, with increase of poin, allended with cough, & bloody we rectoration, with more or less congestion in the augs. Increased heat of the surface, & delicious, soon followed, of maderale character. believen an general media, of muncleus . porting made but lettle complaint. The Towngon was loaded a Tenged with gellow, He bosouts torpid, pulse, sometimes full, but very compress when the disease was now protested, I had a second store. The towns are dry , a covered with a very think down exact, in overse of deliveren The brestling more laboreous, Lord blown mother we see lovalle, block dischages from the intestines, with more and debeloty of the marchs, the palse weaker + more frequent; there do that, with good willeprings. This form of the disease was born dougerous aff great rates was not at oblined in the first stage, death generally accounted in the second Store shoul the 15th or 18th dov. The treatment loss generalt began with me milie, which operated readily, & discharged much bile. Thy relieved head whe, promoted expenderation, a relieved the shin



The bowels were never opened to carge done of relowed, followed by oil, some, or salts . The autimoral powder, a calonel , were now given, with lipid winks - oferwards bloties, to the much, sheet, a lower continuous. The polygale soraga, was here very useful, in promoting owner or expederation. Opium compros 4 He care an, were constitues, combined, a given at night to allow cough, a promote the dis charge from the shin's In the second stage, blisters were applied, to the head; I the carbonate of asserrousa, in large doses, prequently reproted, with louis whey, was chiefly relied on, south light shouldting food. The corbonate of ammonia, soon in second the trungeres & palse, a was decided of superior to any other extrate, and in this olege of the disease. Alighed parts became lived, & were Imost ensure ble. The discharge of very block matter point the lungs, with great stuffing, on engoisement, was generally fotal. effusion onto the chest was very uncommon in shap form of the discose , The serous membrones did not angeon to be so much offsetwo. More or lip, consertion, con : strutty excisted. I could go on a prestract this approx with many more cases but I think it quite une expany to say more on the

















